





With decades of experience in mining, marine, heavy transport, construction, steel and forestry, the team at ENEX can provide assistance and solutions for almost all your engineering requirements.

Whether you're after safety products for working at height, refuge chambers and crib rooms for underground worksites, or ventilation and blast doors, ENEX can work with you to create a solution.

www.enex.nz

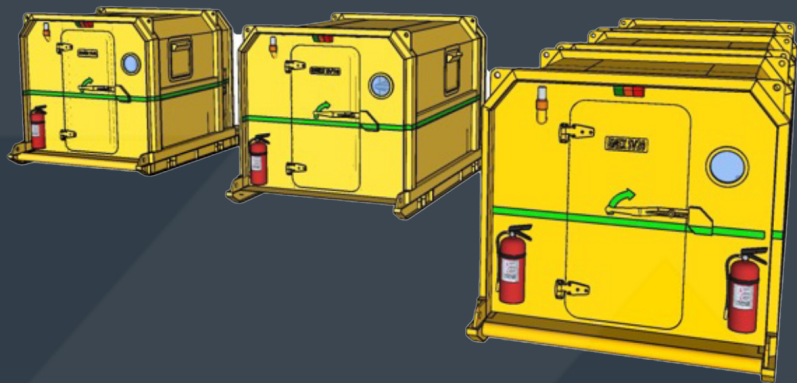
47 Willis Street, Dunedin 9016, New Zealand

ENEX Underground Mining Products

ENEX Refuge Chamber Range

Our ENEX Refuge Chambers come standard with the following features, and our SV16 & SV20 models come standard with an internal wall and door for portable toilet use privacy.

- ENEX Chamber body on skids
- Sandblast and paint
- One handled operation of door
- Seat bases, small bench, gasbottle racks
- All safety, reflective and operation signage
- Emergency exit hatch
- Heating and air conditioning unit
- CO₂/CO dual bin scrubber
- 6 Buckets of 18kg Draegersorb
- CO shut off valve
- Victron energy Multi Plus inverter 48V 3000VA 35A
- Triple inlet air filter with auto drains
- Inlet pressure regulator with check valve & silencer
- Outlet check valve/s
- Pressure differential gauge
- 12x 200 AMH batteries
- Rubber floor matting
- External fire extinguisher and bracket
- LED lighting internally
- Fully wired & ready for mine to install RT & Phone
- Micro X3 Gas detector
- Transport to site
- Electrical Cert of compliance



ENEX Airlock Chambers

The ENEX Airlock permits the passage of personnel between two separate air pressure environments.

Using the door vents, the chamber balances the air pressure between environments within the chamber allowing personnel to access one section of the mine to the other without breaching any ventilation pressures.

At 2.3m long, the airlock can comfortably fit three mine personnel and can if required, be used as an emergency rock fall shelter. The ENEX Airlock is manufactured out of 4mm thick steel RHS & SHS with 3mm steel sheathing.

As a standard module, the airlock can be bolted to single or multiple ENEX Vent Louvre modules. As a bolt-on item, the airlock door can be used as a stand-alone man door without the airlock chamber, if required. The wide footing of all modules allows an easy and stable setup for rock bolting and shotcreting into position.

ENEX can custom build your louvre vent, man door and airlock modules to your sizing requirements.

Our ENEX Airlock Chambers come standard with the following,

- 1x internal opening RFMS door
- 1x external opening RFMS door
- Both ends have our ENEX RFMS
- Standard 1900mm internal height



ENEX RFMS Rapid Flange Modular System Door, Frame & Flange

Our ENEX RFMS has been designed for the rapid change out of underground doors and flow control louvers and is interchangeable with our vent control doors, airlock chamber bodies and breakthrough doors, without the need for tools to carry out the task. It also allows the underground service crew to use redundant components to replace current in use components without the need to head to the surface for parts thus saving time.



ENEX Breakthrough Doors

Our ENEX breakthrough doors have been designed as a non powered LV access door to areas within the mine that don't require regular access. Please contact us for custom or site specific sizes.

(Airlock chamber in image sold separately).



ENEX Vent Doors

Our ENEX Pneumatic Vent Doors with ENEX RFMS access door, feature pneumatic counter opening doors with an incorporated ENEX RFMS access door. Measuring 4.6mtrs high and 4.7mtrs wide, they are big enough to allow most underground mobile plant. The ENEX vent doors can be controlled from a simple pull cord to a curtain sensor or remote FOB.

These ENEX controllers are sold separately and are quoted dependant on customer specific requirements.





ENEX EcoLoo

Our ENEX EcoLoo toilet system has been designed to provide a hygienic environment underground for both males and females when nature calls. Connected to mine supply air and water and power, the ENEX EcoLoo provides just that. Using a specially formulated ENEX Eco-Zyme, the eco-friendly chemical works with the finely tuned air supply to break down the solids and paper, whilst using the process of evaporation to create system that only requires emptying every 4 – 6 months (use dependent)

We have also developed the ENEX waste transfer cassette and accessories to streamline the emptying process without needing to ever bring the toilets to the surface.

Contact us to discuss on going service and maintenance options.



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**For more information, or a detailed
quote please get in touch**

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